

**SAN BERNARDINO VALLEY COLLEGE  
SUBMITTED FOR BOARD OF TRUSTEE APPROVAL**

NEW COURSES			
COURSE ID		EFF DATE	RATIONALE
MACH 075X2	<p>Course ID: MACH 075x2</p> <p>Course Title: Introduction to Computer Aided Drafting Technologies</p> <p>Units: 3</p> <p>Lecture: 1 hour</p> <p>Laboratory: 6 hours</p> <p>Prerequisite: None</p> <p>Corequisite: None</p> <p>Dept. Advisory: None</p> <p>Catalog Description: An introduction to Computer Aided Drafting (CAD) and design. Emphasis is placed on industry convention, AutoCAD commands and menus to create and plot two-dimensional drawings. Students are also introduced to three-dimensional solid modeling using AutoCAD, Inventor, and SolidWorks and its application in design and rapid prototyping.</p> <p>Schedule Description: An introduction to Computer Aided Drafting (CAD) Technology to create two-dimensional engineering drawings. Utilize AutoCAD, Inventor, and SolidWorks to introduce students to 3-D drawings and its application in design and rapid prototyping.</p>	FA05	<p>This new course will enhance the Basic CNC Certificate by providing students another skill area for employment. The computer aided design course will provide students basic skills in three areas of software, CAD, Solid Modeling, and Rapid Proto-type technology. By providing students entry-level CAD knowledge, they will be able to pursue entry-level jobs, as well as enhance their knowledge in the CNC programming areas.</p>

MODIFY COURSES			
COURSE ID		EFF DATE	RATIONALE
MACH 062X3	<p><input checked="" type="checkbox"/> NUMBER: MACH 062X2</p> <p><input checked="" type="checkbox"/> HOURS: Lecture: 1 hour Laboratory: 3 hours</p> <p><input checked="" type="checkbox"/> UNITS: 2</p> <p><input checked="" type="checkbox"/> PREREQ: MACH 120B</p> <p><input checked="" type="checkbox"/> REPEATABILITY: TWO</p> <p><input checked="" type="checkbox"/> DESCRIPTIONS:</p> <p>Catalog Description: Introduction to mold making and injection molding technology designed to give students a history and practical application of mold making for the industry. An overview of all mold making and injection molding procedures covering basic machining practices related to mold making and automated processes used in the mold making industry.</p> <p>Schedule Description: Introductory course on mold making and molding technology. The study and application of machine shop practice for engineering and technical students for basic mold making procedures using automated processes such as CNC, EDM, and solid modeling processes for mold making.</p>	FA05	<p>Course Number: Since the Mold Standards are updated every five years, basic standards can be achieved in approximately two semesters.</p> <p>Course and Schedule Description: To reflect the latest changes in technology.</p> <p>Prerequisite: To reflect curriculum changes.</p>
PEI 105X4	<p><input checked="" type="checkbox"/> DESCRIPTIONS: This course is designed to teach fitness concepts and movement skills to enhance strength, flexibility, endurance, movement memory, balance, coordination, and cardiovascular fitness. Instruction will be modified to accommodate students of all fitness and skill levels.</p>	FA06	To reflect changes in curriculum